Special Issue

Biodegradation of Emerging Contaminants

Message from the Guest Editors

In recent years, growing numbers of non-regulated emerging contaminants have either been detected in the environment or identified as (potential) hazards to human health or ecosystems. They include, but are not limited to, microplastics and nanoplastyics, per- and polyfluoroalkyl substances (PFASs), flame retardants, chemical surfactants, pharmaceutical and personal care products (PPCPs), polycyclic aromatic hydrocarbons (PAHs), etc. Biodegradation, mediated by robust organisms, is critical for mitigating these emerging contaminants via diverse metabolic pathways and microbial interactions. Potential topics covered by this Special Issue include, but are not limited to, the following:

- Analysis of biodegradation pathways and microbial communities during the biodegradation of emerging contaminants;
- Characterization and intensification of robust organisms for the biodegradation of emerging contaminants;
- Development of new methods to improve the understanding and application of biodegradation to treat emerging contaminants.

Original articles and reviews addressing these topics are welcomed. Yours faithfully,

Guest Editors

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Editor-in-Chief

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